



# Shopsmith Auxiliary Fence

## INTRODUCTION

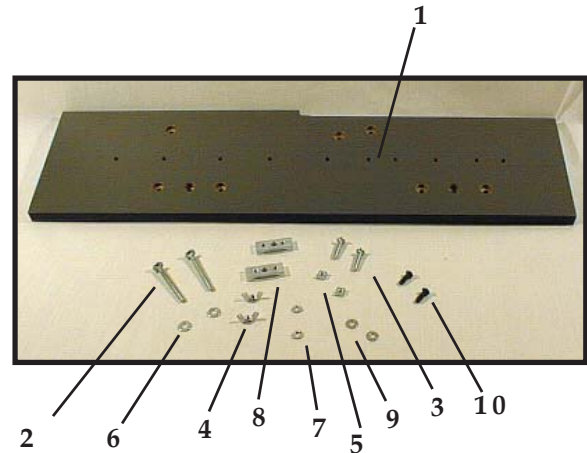
The Shopsmith Auxiliary Fence is designed to enhance operations on the Shopsmith Mark V Models 520, 510, & 500, and the Shopsmith Jointer. The Shopsmith Auxiliary Fence effectively increases the workpiece support area by 3-1/2 times over the standard fences. This allows better workpiece control and greater accuracy. In addition, the optional Feather Board Accessory Pack (555654) can enable many operations to be performed safer and with greater confidence.

### Safety

For your own information, safety, and assurance of optimum woodworking, please read the Safety Warnings below.

### Warning

- ▶ Read, understand, and follow this instruction manual and your other Shopsmith instruction manuals.
- ▶ Follow all safety warnings in your Shopsmith instruction manuals.
- ▶ Never rabbet more than a total of 1/2 the thickness of the stock and always keep the guard in place.
- ▶ When rabbeting, the maximum stock thickness is 1-1/2", the minimum length is 10", the minimum width is 2-1/2" and the maximum width is 3-3/4".
- ▶ Do not tilt fence toward the tables. To perform beveling always tilt fence away from cutterhead when using Auxilliary Fence.



Parts List

Ref. No.	Part No.	Item Description	Qty.
1	518257	Fence .....	1
2	514612	Screw, 1/4" -20 x 2 3/4" .....	2
3	514133	Screw, 1/4" -20 x 1 1/4" .....	2
4	513216	Wing Nut .....	2
5	120372	Nut, 1/4" -20 .....	2
6	120392	Flat Washer, 1/4" .....	2
7	120380	Split Lock Washer, 1/4" .....	2
8	515542	T-Nut .....	2
9	513865	Flat Washer .....	2
10	521629	Screw, 1/4-20x3/4 Button Hd .....	2

### Assembly of Auxilliary Fence

Insert a screw into each of the two mounting holes that match your rip fence.

1. For Mark V 520 owners, insert a 3/4" screw (10) and flat washer (9) through the 2 center holes, refer to Figure 1.

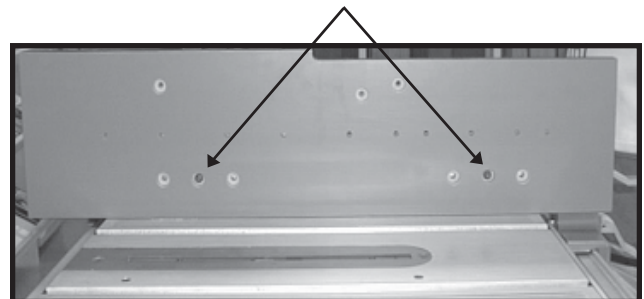


Figure 1  
MARK V 520

- For Mark V 510 owners, use 2-3/4" long screws (2) and refer to Figure 2.
- For Mark V 500 owners, use 2-3/4" long screws (2) and refer to Figure 3.
- For Jointer owners, use 1-1/4" long screws (3) and refer to Figure 4.

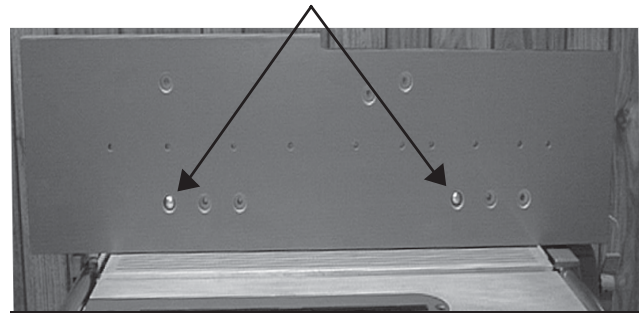
### **NOTE**

On the jointer there are two outboard mounting holes. One of these will align with a hole in the newer model Jointer fences. If neither hole aligns with your Jointer fence, you must drill a hole in either your Jointer fence or your Auxiliary Fence. Use current holes as a guide for size.

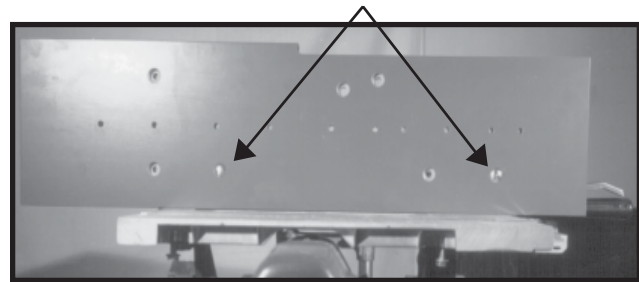
- Attach the Auxiliary Fence to your unit's rip fence. Make sure the cut-out section of the Auxiliary Fence is up when mounting it to the Mark V 520, 510 & 500. The cut-out section should be down when mounting the Auxiliary Fence to the Jointer.
- For the Mark V 520, attach the "T" nuts (8) loosely then slide them into the slots on the side of the fence and tighten securely. For the Mark V 510 & 500, attach a flat washer (6), a split lock washer (7), and a wing nut (4) to each screw and tighten securely. For the Jointer, attach a flat washer (6), a split lock washer (7), and a hex nut (5) to each screw and tighten securely with a 7/16" wrench.

## Operations

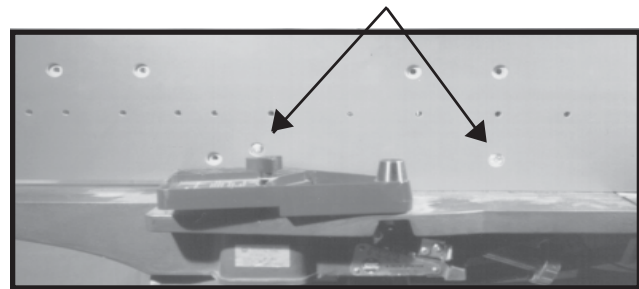
Operating the Shopsmith Mark V or Jointer with the Shopsmith Auxiliary Fence is no different than without it. You will find that it actually simplifies your operations, because it gives additional workpiece support. Refer to your unit's instruction manual and the Shopsmith text ***Power Tool Woodworking For Everyone***, for additional information about specific woodworking operations.



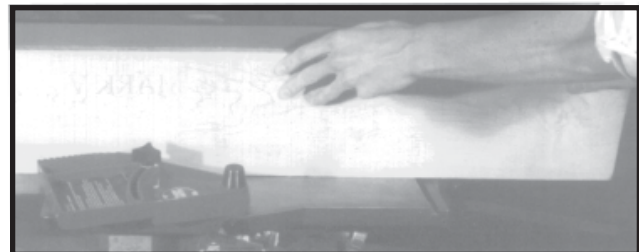
**Figure 2**  
MARK V 510



**Figure 3**  
MARK V 500 (OLD & NEW STYLE RIP FENCE)



**Figure 4**  
JOINTER



**Figure 5**  
Jointer

Figure 5 shows edge jointing a very wide workpiece. The extra height of the Shopsmith Auxiliary fence helps stabilize wider boards.

